

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A packet switching network comprising:
a plurality of subscriber stations;
at least one switch configured to connect said plurality of subscriber stations to each other;
wherein each output port from each switch on the network satisfies the following relation:

$$\frac{\sum_{i \text{ number of virtual links passing through the buffer}} \left[1 + \text{int} \left(\frac{(\text{Jitter In})_i + \text{max Latency}}{BAGi} \right) \right] *}{(\text{max frame duration}) \leq \text{latency}}$$

$$\sum_{i \text{ number of virtual links passing through the buffer}} \left[1 + \text{int} \left(\frac{(\text{Jitter In})_i + \text{max Latency}}{BAGi} \right) \right] * \quad (\text{max frame duration}) \leq \text{latency}$$

in which:

the max latency value is a maximum residence time in an output buffer of [[a]] the at least one switch, this value may be different for each switch in the network,

BAGi is a minimum time between two consecutive frames belonging to a virtual link i, before they are transmitted,

(Jitter In)i (Jitter In)i is a Jitter associated with [[a]] the virtual link i that represents a time interval between a theoretical instant at which a frame is transmitted, and its effective transmission that may be before or after the theoretical instant, and

(max frame duration) [[i]] is a duration of a longest frame on the virtual link i.

Claim 2 (Original): A network according to claim 1, wherein the packet switching network is located on an aircraft.

Claim 3 (Original): A network according to claim 2, wherein the at least one switch includes a first switch connected to a first graphic screen and a second graphic screen.

Claim 4 (Original): A network according to claim 3, wherein the at least one switch includes a second switch connected to a flight parameters generator and an aircraft maintenance computer.

Claim 5 (Original): A network process according to claim 4, wherein the first graphic screen displays flight parameters and the second graphic screen displays flight and maintenance parameters.

Claim 6 (Currently Amended): A packet switching network comprising:
a plurality of subscriber stations;
at least one means for switching for connecting said plurality of subscriber stations to each other;
wherein each output port from each means for switching on the network satisfies the following relation:

$$\frac{\sum_{i \text{ number of virtual links passing through the buffer}} \left[1 + \text{int} \left(\frac{(Jitter_In)_i + \text{max Latency}}{BAGi} \right) \right] *}{(max frame duration) \leq latency}$$

$$\sum_{i \text{ number of virtual links passing through the buffer}} \left[1 + \text{int} \left(\frac{(Jitter_In)_i + \text{max Latency}}{BAGi} \right) \right] * \quad (max frame duration) \leq latency$$

in which:

the max latency value is a maximum residence time in an output buffer of [[a]] the at least one switch, this value may be different for each switch in the network,

BAGi is the minimum time between two consecutive frames belonging to a virtual link i, before they are transmitted,

~~(Jitter In)~~ (Jitter In)_i is Jitter associated with [[a]] the virtual link i that represents a time interval between a theoretical instant at which a frame is transmitted, and its effective transmission that may be before or after the theoretical instant,

(max frame duration) [[i]] is a duration of a longest frame on the virtual link i.

Claim 7 (Original): A network according to claim 6, wherein the packet switching network is located on an aircraft.

Claim 8 (Original): A network according to claim 7, wherein the at least one means for switching includes a first means for switching connected to a first graphic screen and a second graphic screen.

Claim 9 (Original): A network according to claim 8, wherein the at least one means for switching includes second means for switching connected to a flight parameters generator and an aircraft maintenance computer.

Claim 10 (Original): A network according to claim 9, wherein the first graphic screen displays flight parameters and the second graphic screen displays flight and maintenance parameters.